

NOVA Chemicals Surpass® FPs236-A Octene sMDPE Film Resin

Category : Polymer , Film , Thermoplastic , Polyethylene (PE) , MDPE , Medium Density Polyethylene (MDPE), Film Grade

Material Notes:

FPs236-A complies with the U.S. FDA regulations for olefin polymers and may thus be used in the United States as an article or component of an article intended for use in contact with food. FPs236-A is subject to the specific limitation that it may contact food only at temperatures of 212°F and below. NOVA Chemicals' polyethylene resins are biologically and chemically inert. Features: Excellent tensile and elongation properties, Good optical properties, Low gel level. Additives: High temperature AO. Applications: Cast film, Co-extrusion and lamination. Film properties are typical of cast film extruded at a melt temperature of 500°F, and a line speed of 600 ft/min.

Order this product through the following link:

http://www.lookpolymers.com/polymer_NOVA-Chemicals-Surpass-FPs236-A-Octene-sMDPE-Film-Resin.php

Physical Properties	Metric	English	Comments
Density	0.936 g/cc	0.0338 lb/in ³	ASTM D 792
Thickness	25.0 microns	0.984 mil	As tested for properties on this data sheet
Melt Flow	2.6 g/10 min @Load 2.16 kg, Temperature 190 °C	2.6 g/10 min @Load 4.76 lb, Temperature 374 °F	ASTM D 1238

Mechanical Properties	Metric	English	Comments
Film Tensile Strength at Yield, MD	14.2 MPa	2060 psi	ASTM D 882
Film Tensile Strength at Yield, TD	15.1 MPa	2190 psi	ASTM D 882
Film Elongation at Break, MD	600 %	600 %	ASTM D 882
Film Elongation at Break, TD	900 %	900 %	ASTM D 882
Elmendorf Tear Strength MD	40 g	40 g	ASTM D 1922
Elmendorf Tear Strength TD	350 g	350 g	ASTM D 1922
Elmendorf Tear Strength, MD	1.60 g/micron	40.6 g/mil	ASTM D 1922
Elmendorf Tear Strength, TD	14.0 g/micron	356 g/mil	ASTM D 1922
Dart Drop	1.60 g/micron	40.6 g/mil	ASTM D 1709/A
Dart Drop Test	40.0 g	0.0882 lb	F50; ASTM D 1709/A
Film Tensile Strength at Break, MD	45.0 MPa	6530 psi	ASTM D 882
Film Tensile Strength at Break, TD	35.0 MPa	5080 psi	ASTM D 882
1% Secant Modulus, MD	300 MPa	43500 psi	ASTM D 882

Mechanical Properties	Metric	English	Comments
-----------------------	--------	---------	----------

Optical Properties	Metric	English	Comments
Haze	4.8 %	4.8 %	ASTM D 1003
Gloss	80 %	80 %	At 45°; ASTM D 2457

Descriptive Properties	Value	Comments
Low Friction Puncture	24 (J/mm)	NOVA Chemicals test method

Contact Songhan Plastic Technology Co.,Ltd.

Website : www.lookpolymers.com
Email : sales@lookpolymers.com
Tel : +86 021-51131842
Mobile : +86 13061808058
Skype : lookpolymers
Address : United North Road 215,Fengxian District, Shanghai City,China